

Title:

Certificate of Analysis (CoA)



Date: 7/3/2026
Date Tested: 7/1/2026
Customer: AtoZ Research
Testing material: Tirzepatide
Lot Number: A2Z-TIRZ-0000003
BT Sample ID: 005000040649538
Labeled Peptide Content/Potency: 20 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, holographic label, silver crimp, yellow plastic cap.
Labeled as: AtoZ TZ
Manufacturer: Peptide Biotech
Testing Purpose: FTIR and HPLC analysis for the identification, purity, potency and composition of a peptide product. It does not provide information on particulate matter, microbial contamination or presence of endotoxins.



Test	Method	Specification	Result
General Appearance	USP <630>	white powder	white powder
Mass	USP <41>	As recorded	70.9 mg
FTIR Identification and Composition Analysis	USP <197A>	Sample spectrum should confirm the content of peptide via characteristic bands	FTIR sample spectrum confirms the presence of Tirzepatide with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.7 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 20 mg	22.6 mg (112.8 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	22.6 : 48.3 mg (1:2.1)

The results of the CoA relate only to the item(s) tested and applied to the sample as received.



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IF-824-QSA-TR006

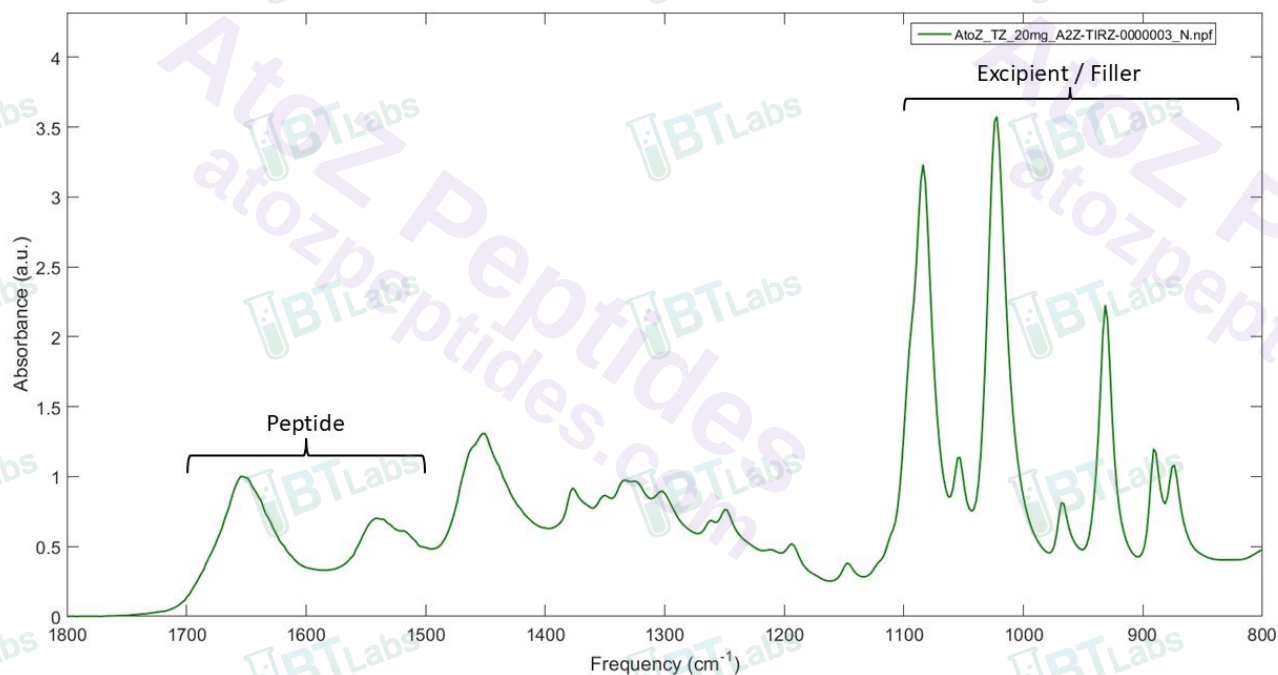
Rev 1.0 January 2025

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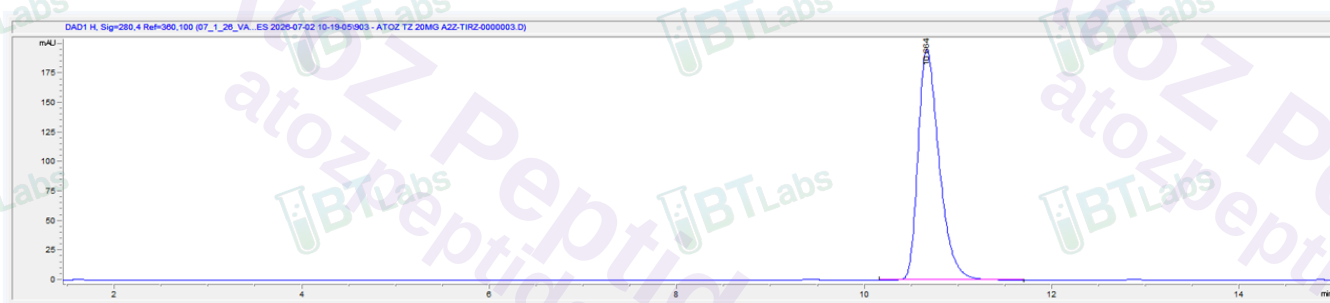
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FTIR ID and Composition Analysis: AtoZ TZ Lot A2Z-TIRZ-0000003



HPLC Purity and Potency Assay @ 280 nm: AtoZ TZ Lot A2Z-TIRZ-0000003



Tirzepatide Lot A2Z-TIRZ-0000003 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	10.664	3067.4

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